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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/531,660
Applicant: Luis Molina
Filed: April 15, 2005
TC/AU.: 1654
Examiner: Marcela M. Cordero Garcia

Confirmation No.: 3876

Docket No.: 11299.105005 L1 3000 MMI/2
Customer No.: 20786
Title: Methods of Treating Dry Eye Disease with Lantibiotics

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

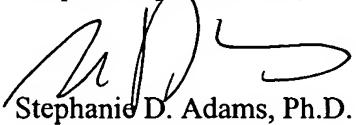
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Sir:

The citation of information on the accompanying Form PTO/SB/08A, "Information Disclosure Statement by Applicant" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A list of each cited reference is enclosed, except for the U.S. Patents and U.S. Patent Applications. The citation of this information does not constitute an admission of priority or that any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

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Respectfully submitted,



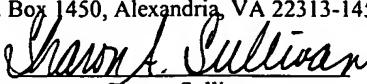
Stephanie D. Adams, Ph.D.

Reg. No. 47,378

Dated: February 17, 2006
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Sharon Sullivan

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PTO/SB/08A (08-03)

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Sheet

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of

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Attorney Docket Number	11299.105005 L1 3000 MMI/2

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,209,505	A	Mikhail	06-24-1980	
	AB	5,137,728	A	Bawa	08-11-1992	
	AC	5,512,269	A	Molina y Vedia <i>et al.</i>	04-30-1996	
	AD	5,641,781	A	Cuberes-Alsinten, <i>et al.</i>	06-24-1997	
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	AV	6,315,996	B1	O'Callaghan	11-13-2001	
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	AY	6,348,589	B1	Pendergast <i>et al.</i>	02-19-2002	
	AZ	6,387,886	B1	Montgomery <i>et al.</i>	05-14-2002	
	AAA	6,420,347	B1	Jacobus <i>et al.</i>	07-16-2002	
	AAB	6,423,694	B1	Drutz <i>et al.</i>	07-23-2002	
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	AAG	6,462,028	B2	Pendergast <i>et al.</i>	10-08-2002	

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Group Art Unit	1654
Examiner Name	Marcela M. Cordero Garcia
Attorney Docket Number	11299.105005 L1 3000 MMI/2

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		Number	Kind Code ² (if known)			
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BB	6,548,658	B2		Yerxa	04-15-2003	
BC	6,565,861	B1		Tiffany <i>et al.</i>	05-20-2003	
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BL	2005-0506282	A1		Molina	11-10-2005	

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Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number	Kind Code ² (if known)				
BM	JP	2002-053492	A2		Santen Pharm.; Inspire Pharm.	02-19-2002		
BN	WO	94/28726	A2		Wellcome Found.; U. No. Carol.	12-22-1994		
BO	WO	98/34593	A1		Inspire Pharmaceuticals	08-13-1998		
BP	WO	99/09998	A1		Inspire Pharmaceuticals	03-04-1999		
BQ	WO	01/80844	A2		Inspire Pharmaceuticals	11-01-2001		
BR	WO	01/87288	A2		Inspire Pharmaceuticals	11-22-2001		
BS	WO	01/87913	A2		Inspire Pharmaceuticals	11-22-2001		
BT	WO	02/09702	A2		Inspire Phar., U. Compl. Madrid	02-07-2002		
BU	WO	02/16381	A2		Inspire Phar., U. No. Carolina	02-28-2002		
BV	WO	04/037167	A2		Molicem Medicines, Inc.	05-06-2004		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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BW		BAUDOUIN, C., "The Pathology of Dry Eye," <i>Surv. Ophthalmol.</i> 45 Suppl. 2: S211-S220 (March 2001)	

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				Group Art Unit	1654
				Examiner Name	Marcela M. Cordero Garcia
Sheet	3	of	5	Attorney Docket Number	11299.105005 L1 3000 MMI/2

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	CA	BOSCHELLI, D.H., <i>et al.</i> , "Inhibition of E-selectin-, ICAM-1-, and VCAM-1-mediated cell adhesion by benzo[b]thiophene-, benzofuran-, indole-, and naphthalene-2-carboxamides: identification of PD 144795 as an antiinflammatory agent," <i>J. Med. Chem.</i> , 38(22):4597-4614 (October 27, 1995).	
	CB	BOUCHER, R., <i>et al.</i> , "Mechanisms and therapeutic actions of uridine triphosphates in the lungs," <i>Adenosine and Adenine Nucleotides: From Molecular Biology to Integrative Physiology</i> , (L. Belardelli, <i>et al.</i> , Eds., Alumwer Academic Publishers, Boston, 1995), pp. 525-532.	
	CC	BOWIE, E.M., <i>et al.</i> , "Corticosteroids, central serous chorioretinopathy, and neurocysticercosis," <i>Arch. Ophthalmol.</i> , 122(2):281-283 (February 2004).	
	CD	BREWITT, H., <i>et al.</i> , "Dry Eye Disease: The Scale of the Problem." <i>Surv. Ophthalmol.</i> 45 Suppl. 2: S199-S202 March 2001.	
	CE	CHANG, Y.H., <i>et al.</i> , <i>Eur. J. Pharmacol.</i> , 69(2):155-164 (January 16, 1981). Effects of pharmacologic agents on the reversed passive Arthus reaction in the rat.	
	CF	CLOUTIER, M.M., <i>et al.</i> , "Duramycin enhances chloride channel activity in cystic fibrosis nasal epithelial cells." <i>Pediatric Pulmonology</i> , 2(Supplement):99 (Abstract 15) (1988).	
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	CH	DE NIJS, E., <i>et al.</i> , "The adverse effects of corticosteroids in central serous chorioretinopathy" <i>Bull. Soc. Belge Ophthalmol.</i> , 289:35-41 (2003).	
	CI	DIAMOND, M.S., <i>et al.</i> , "The dynamic regulation of integrin adhesiveness" <i>Current Biology</i> , 4(6):506-517 (June 1, 1994).	
	CJ	FORREST, J.B., <i>et al.</i> , "Activation of nasal cilia in immotile cilia syndrome," <i>Am. Rev. Respir. Dis.</i> , 120(3):511-515 (September 1979).	
	CK	FOULKES, G.N., "The evolving treatment of dry eye," <i>Ophthalmol. Clin. North Am.</i> , 16(1):29-35 (March 2003).	
	CL	FRIEDLANDER, A.H., <i>et al.</i> , "Late-life depression: psychopathology, medical interventions, and dental implications," <i>Oral Surg. Oral Med. Oral Pathol. Oral Radiol. Endod.</i> , 94(4):404-412 (October 2002).	
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	CN	GROSS, E., <i>et al.</i> , "Subtilin, VI: Die Struktur des Subtilins," <i>Z. Physiol. Chem.</i> , 354:810-812 (July 1973).	
	CO	HAYASHI, F., <i>et al.</i> , "The structure of PA48009: The revised structure of duramycin," <i>J. Antibiotics (Tokyo)</i> , LXIII(11):1421-1430 (November 1990).	
	CP	HÉCHARD, Y., <i>et al.</i> , "Mode of action of modified and unmodified bacteriocins from Gram-positive bacteria," <i>Biochimie</i> , 84(5-6):545-557 (May-June 2002).	

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	DA	KELLERMAN, D.J., "P2Y ₂ Receptor agonists: a new class of medication targeted at improved mucociliary clearance," <i>Chest</i> , 121(5 Suppl.):201S-205S (May 2002).			
	DB	KELLNER, R., <i>et al.</i> , "Gallidemin: a new lanthionine-containing polypeptide antibiotic," <i>Eur. J. Biochem.</i> 177(1), 53-59 (October 15, 1988).			
	DC	KESSLER, H., <i>et al.</i> , "204. The structure of the polycyclic nonadecapeptide Ro 09-0198," <i>Helv. Chim. Acta</i> , 71:1924-1929 (1988).			
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	DF	KNOWLES, M.R., <i>et al.</i> , "Activation by extracellular nucleotides of chloride secretion in the airway epithelia of patients with cystic fibrosis," <i>N. Eng. J. Med.</i> , 325(8):533-538 (August 22, 1991).			
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	DJ	MONNET, D., <i>et al.</i> , "Ophthalmic findings and frequency of extraocular manifestations in patients with HLA-B27 uveitis: a study of 175 cases," <i>Ophthalmology</i> , 111(4):802-809 (April 2004).			
	DK	MUSZA, L.L., <i>et al.</i> , "Potent new cell adhesion inhibitors from the root of <i>trichilia rubra</i> ," <i>Tetrahedron</i> , 50(39):11369-11378 (1994).			
	DL	NAKAMURA, S., <i>et al.</i> , "Inhibitory effect of duramycin on partial reactions catalyzed by (Na ⁺ ,K ⁺)-adenosinetriphosphatase from dog kidney," <i>Biochem.</i> , 23(2):385-389 (January 17, 1984).			
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	DN	O'NEIL, M.J., Sr. Ed., <i>et al.</i> , <i>The Merck Index: An Encyclopedia of Chemicals, Drugs, and Biologicals</i> , 13 th Ed., O'Neil, M.J. Sr. Ed. (Merck & Co., Inc., Whitehouse Station, New Jersey, 2001), entry no. 2781 ("Cyclosporin A"), p. 480.			
	DO	PEDERSEN, M., "Ciliary activity and pollution," <i>Lung</i> , 168 Suppl.:368-376 (1990).			
	DP	PRIDHAM, T.G., <i>et al.</i> , "Antibiotics against plant disease. II. Effective agents produced by <i>streptomyces cinnamomeus</i> forma <i>azacoluta</i> F. Nov.," <i>Phytopathology</i> , 46:575-581 (October 1956)			
	DQ	ROBERTS, M., <i>et al.</i> , "Stimulation of sodium transport by duramycin in cultured human colonic epithelia," <i>J. Pharmacol. Exp. Ther.</i> , 259(3):1050-1058 (December 1991).			

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	EA	SAHL, H.-G., "Influence of the staphylococcinlike peptide Pep 5 on membrane potential of bacterial cells and cytoplasmic membrane vesicles," <i>J. Bacteriol.</i> , 162(2):833-836 (May 1985).	
	EB	SANFILIPPO, P.J., <i>et al.</i> , "Novel thiazole based heterocycles as inhibitors of LFA-1/ICAM-1 mediated cell adhesion," <i>J. Med. Chem.</i> , 38(7):1057-1059 (March 31, 1995).	
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	EE	SHOTWELL, O.L., <i>et al.</i> , "Antibiotics against plant disease. III. Duramycin, a new antibiotic from <i>Streptomyces cinnamomeus forma azacoluta</i> ," <i>J. Am. Chem. Soc.</i> 80:3912-3915 (August 5, 1958)	
	EF	SPRINGER, T.A., "Adhesion receptors of the immune system.," <i>Nature</i> , 346(6283):425-434 (August 2, 1990).	
	EG	WAKAMIYA, T., <i>et al.</i> , "The structure of anconenin, a new peptide inhibitor of Angiotensin I Converting Enzyme," <i>Tetrahedron Lett.</i> , 26(5):665-668 (1985).	
	EH	WANDEL, T., <i>et al.</i> , "Glaucoma treatment with once-daily levobunolol," <i>Amer. J. Ophthalmol.</i> , 101(3):298-304 (March 15, 1986).	

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Applicant: Luis Molina

Serial No.: 10/531,660

Filed: September 22, 2003

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Papers Submitted:

1. Information Disclosure Statement (1 page)
2. Form PTO/SB/08A (5 pages)
3. Copy of References (61 references)
4. Certificate of Mailing *57*
5. Postcard

Attorney Stephanie D. Adams, Ph.D.

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